**FIG. 1**

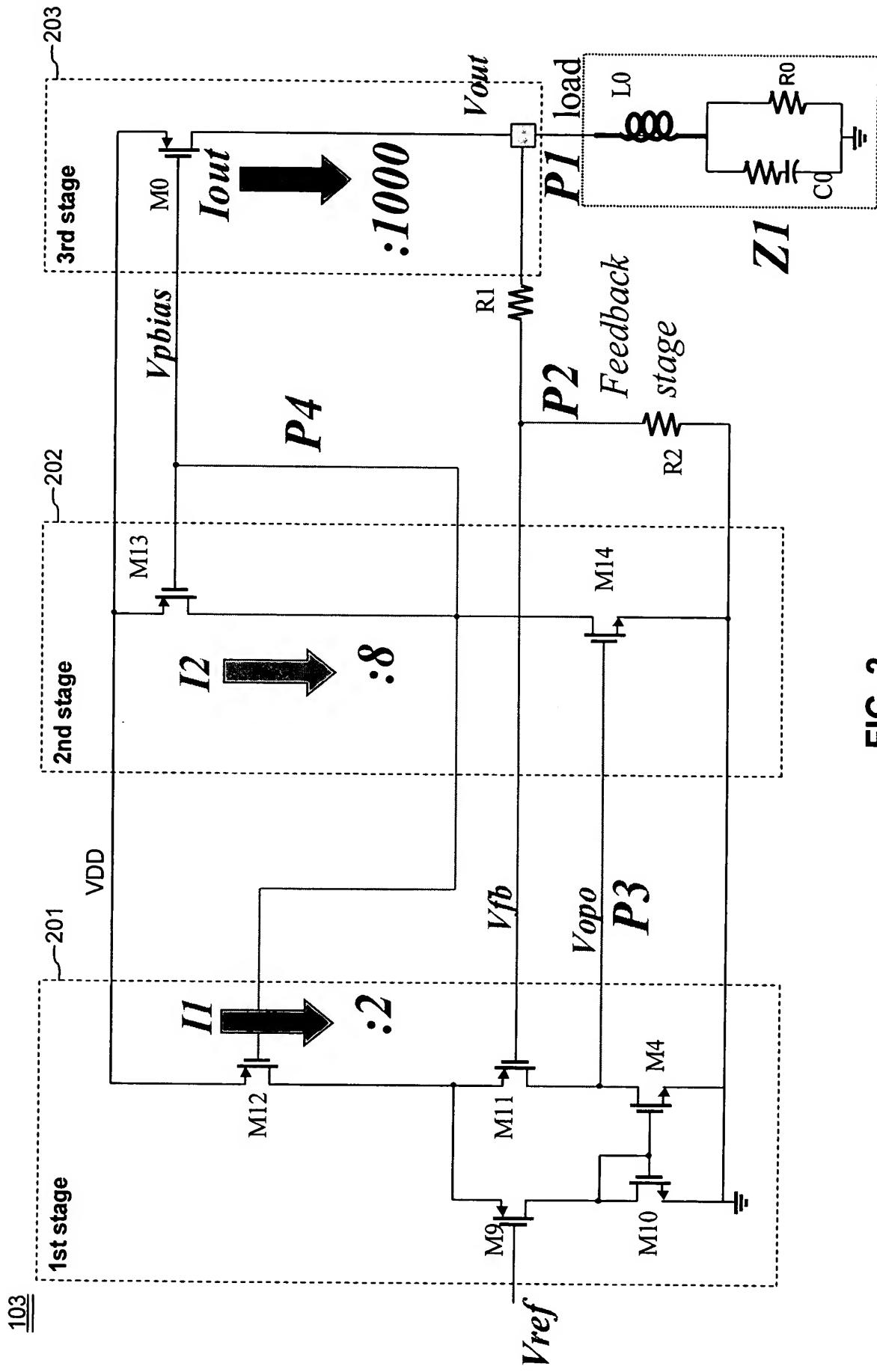
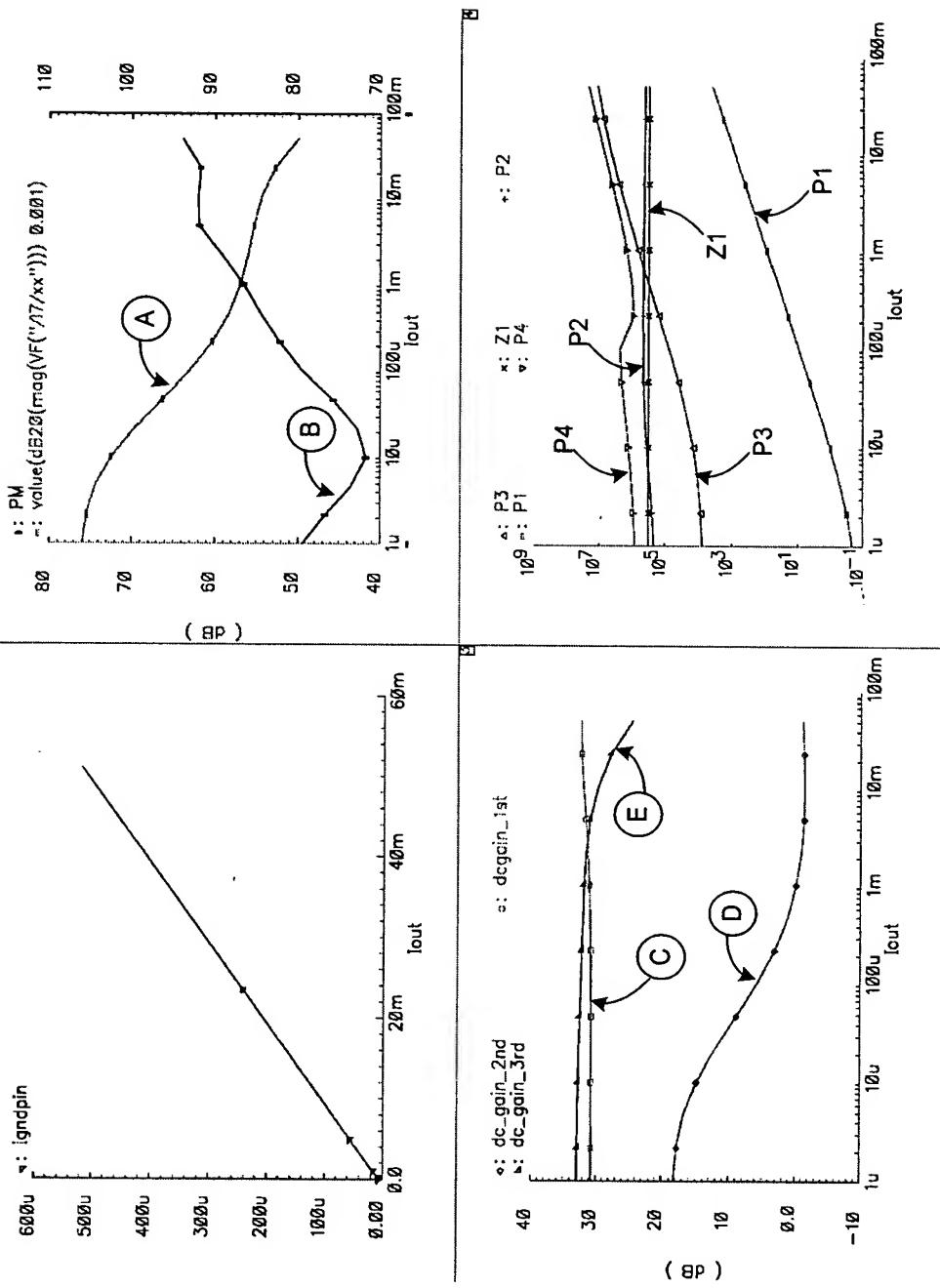


FIG. 2

# FIG. 3



103

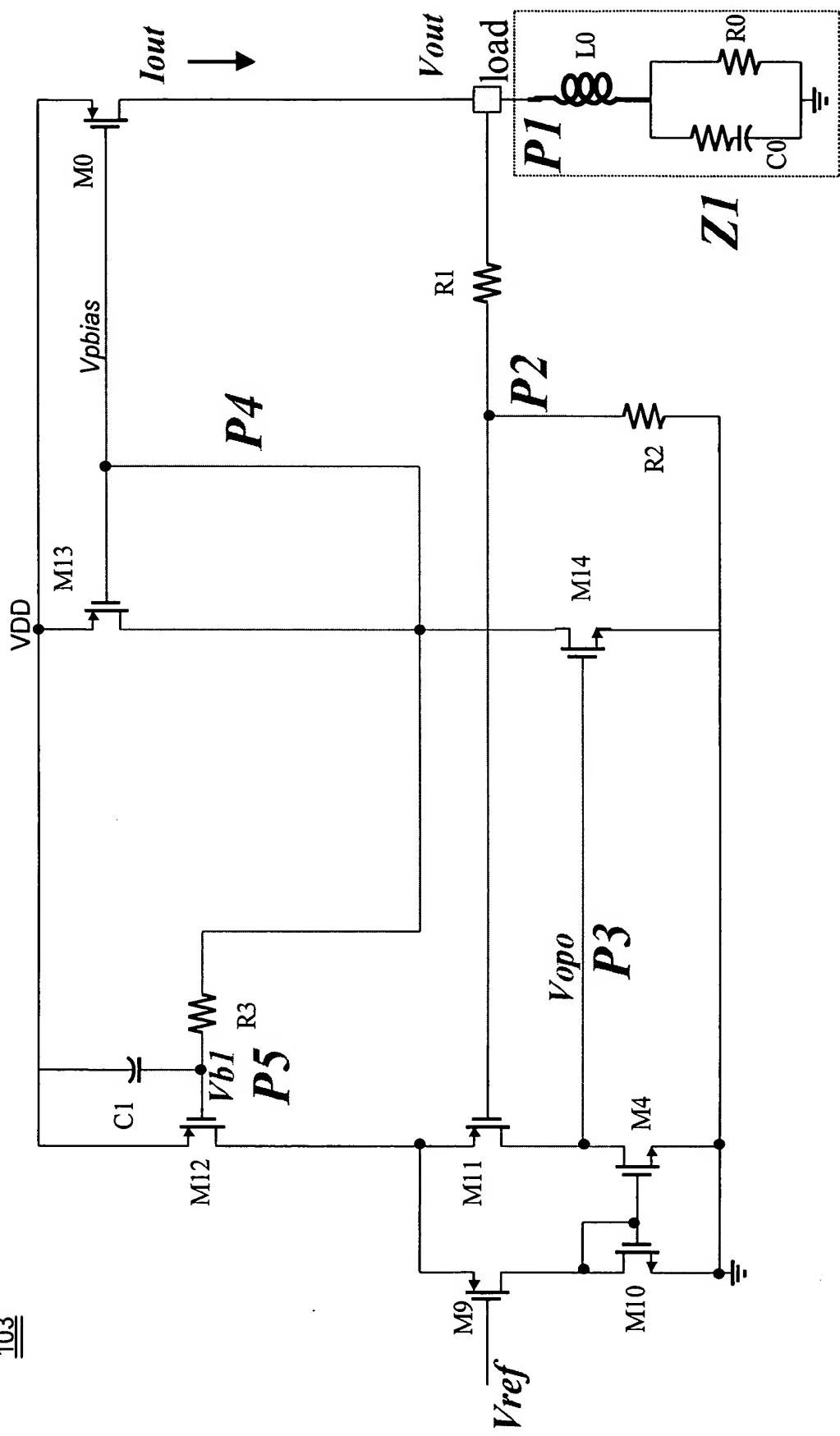
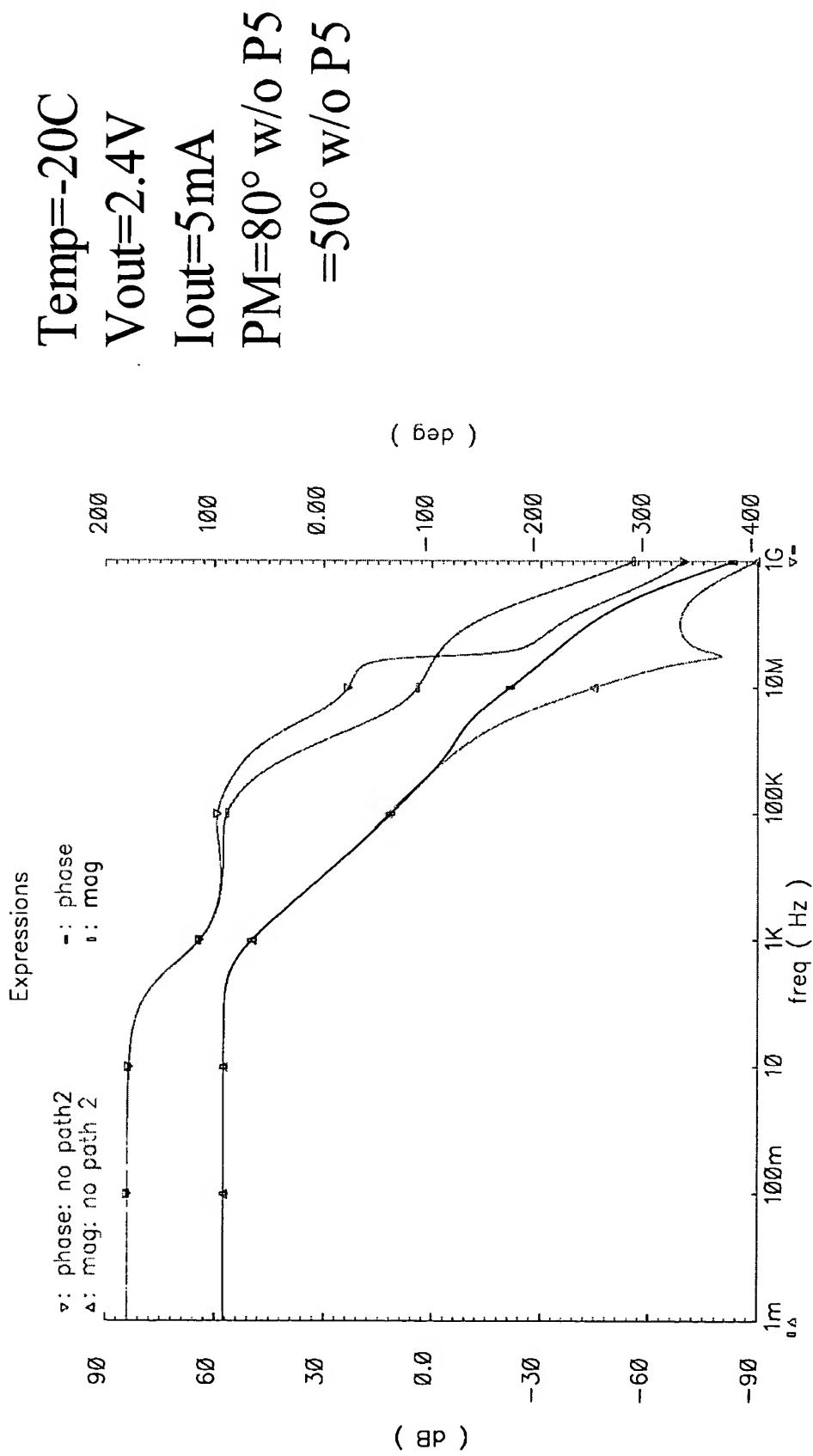
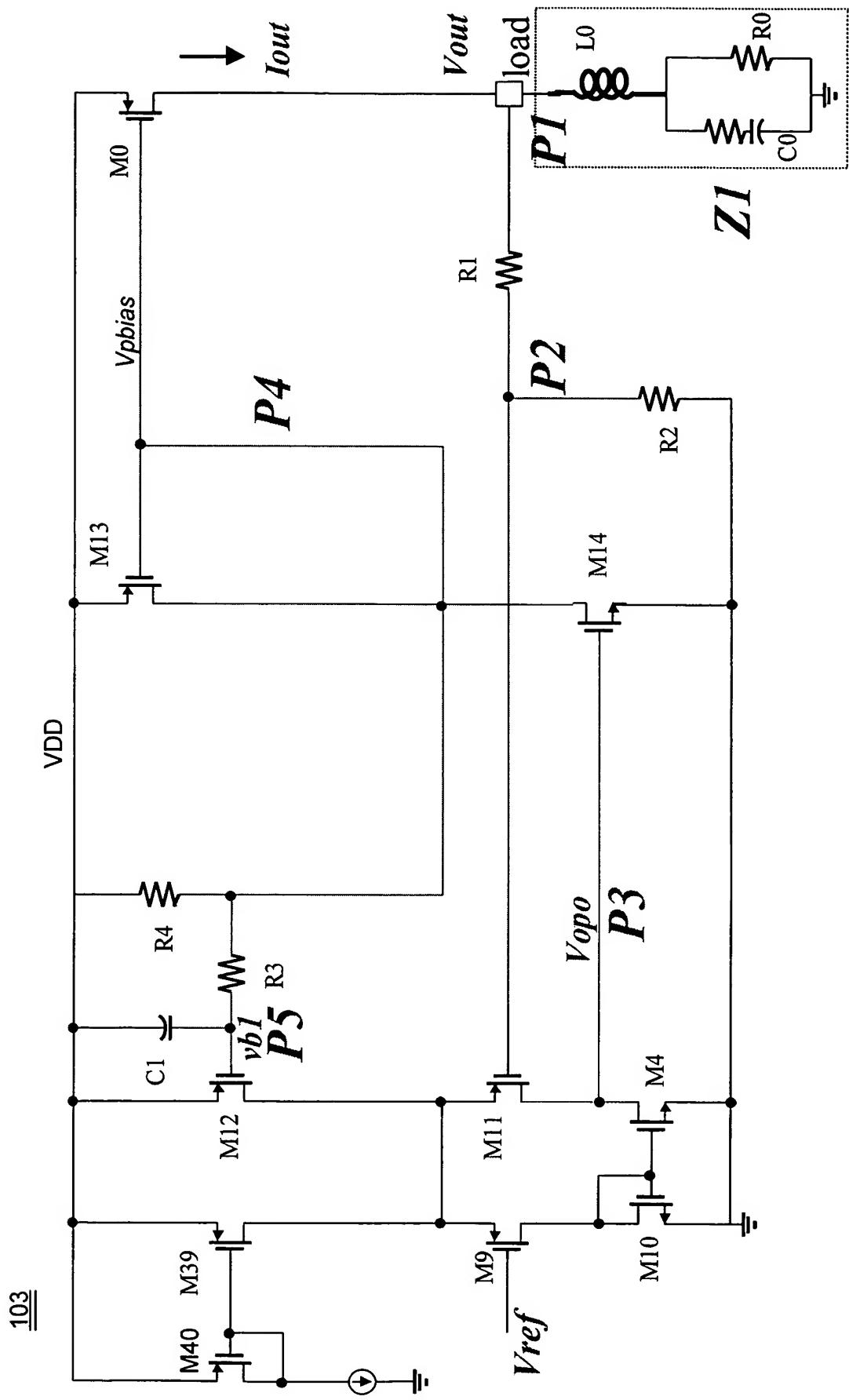


FIG. 4

**FIG. 5**



103

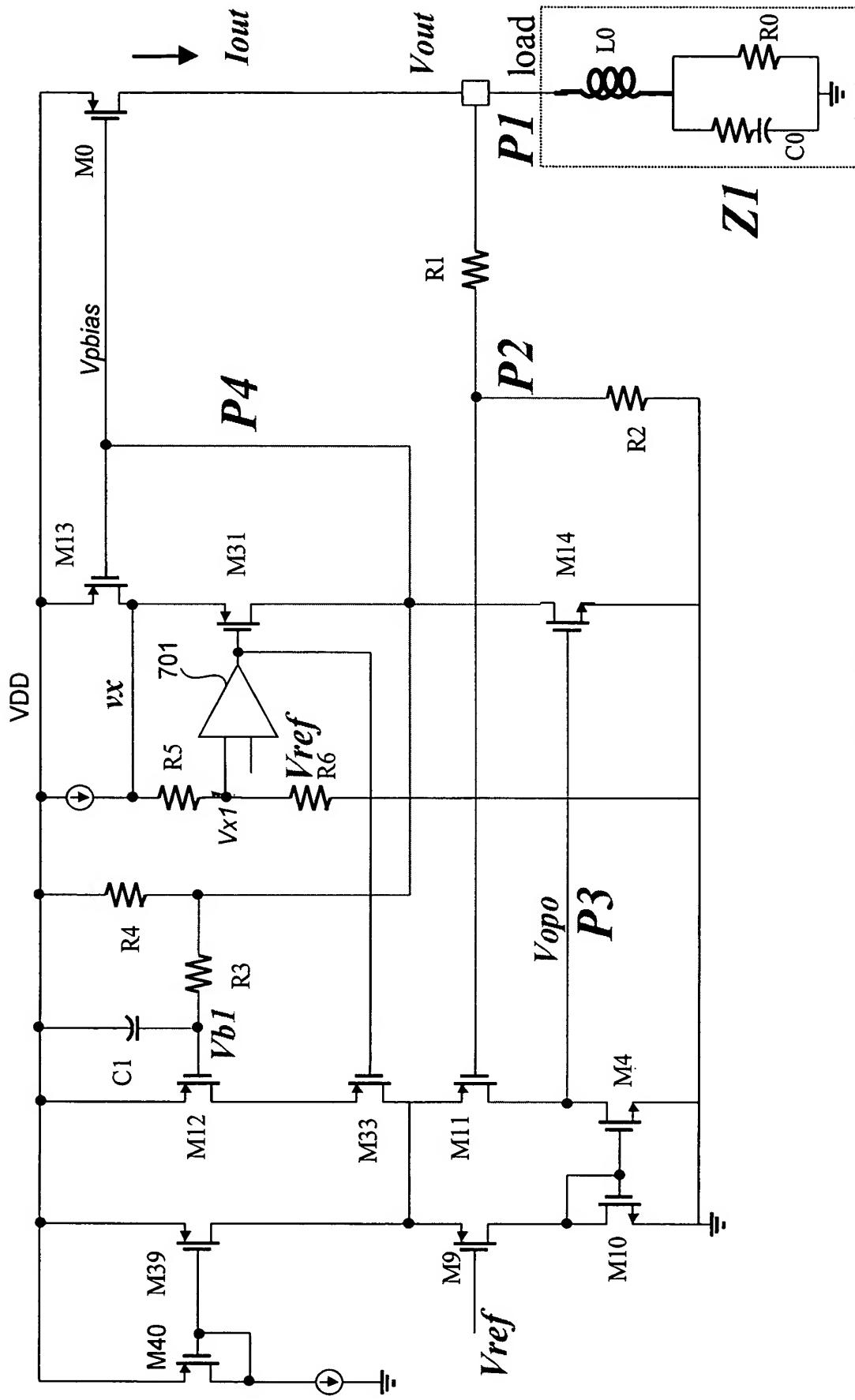


FIG. 7

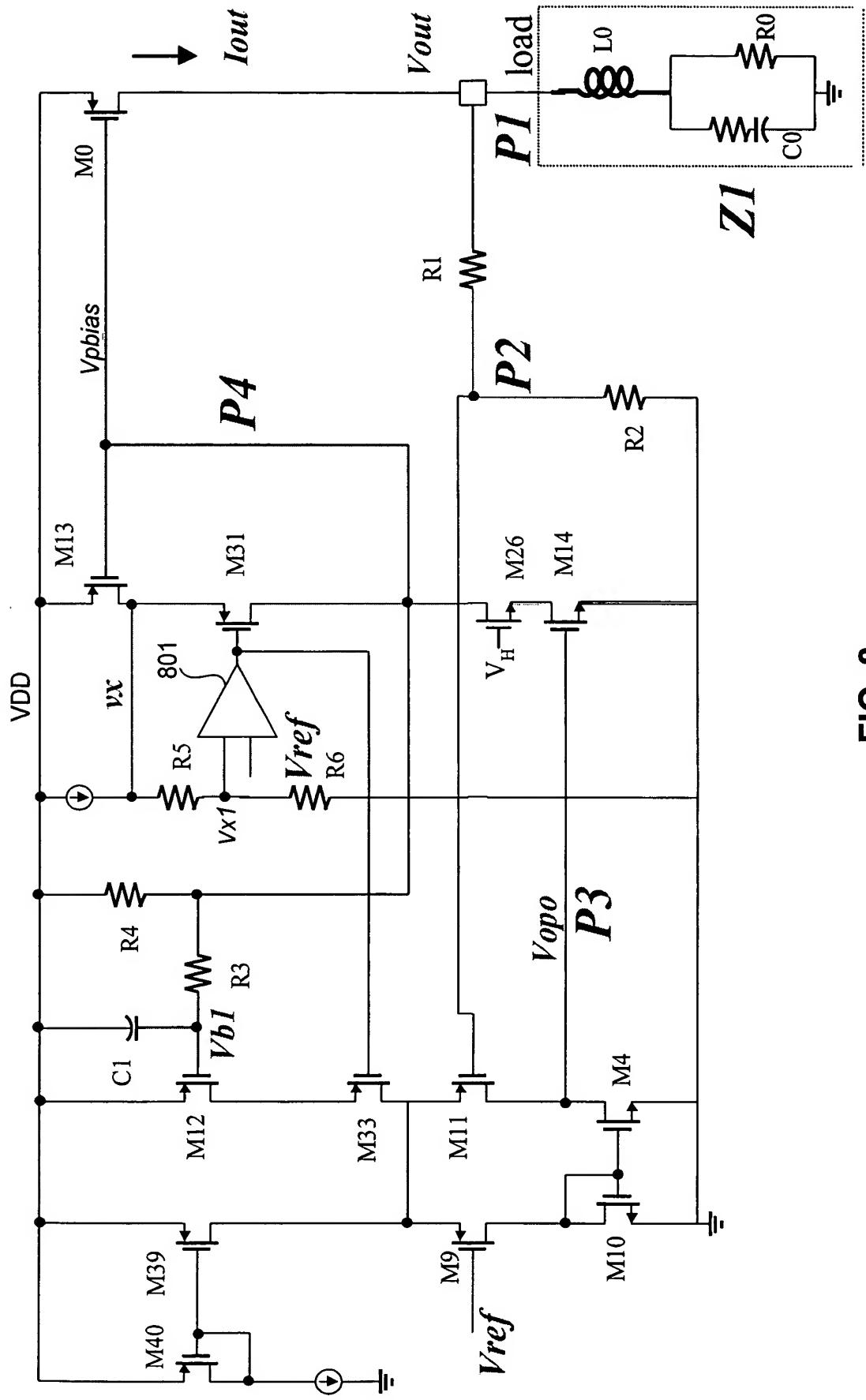
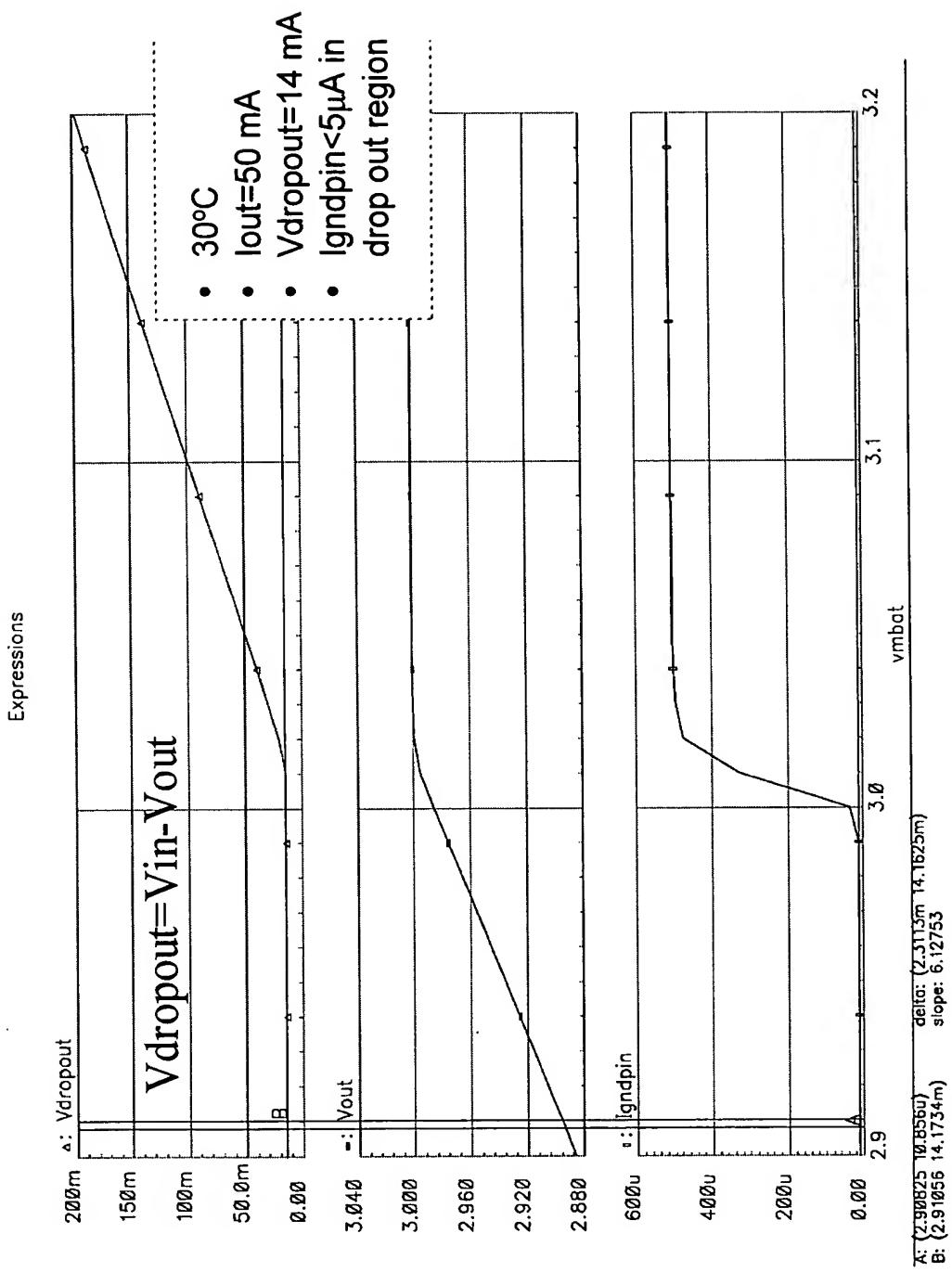
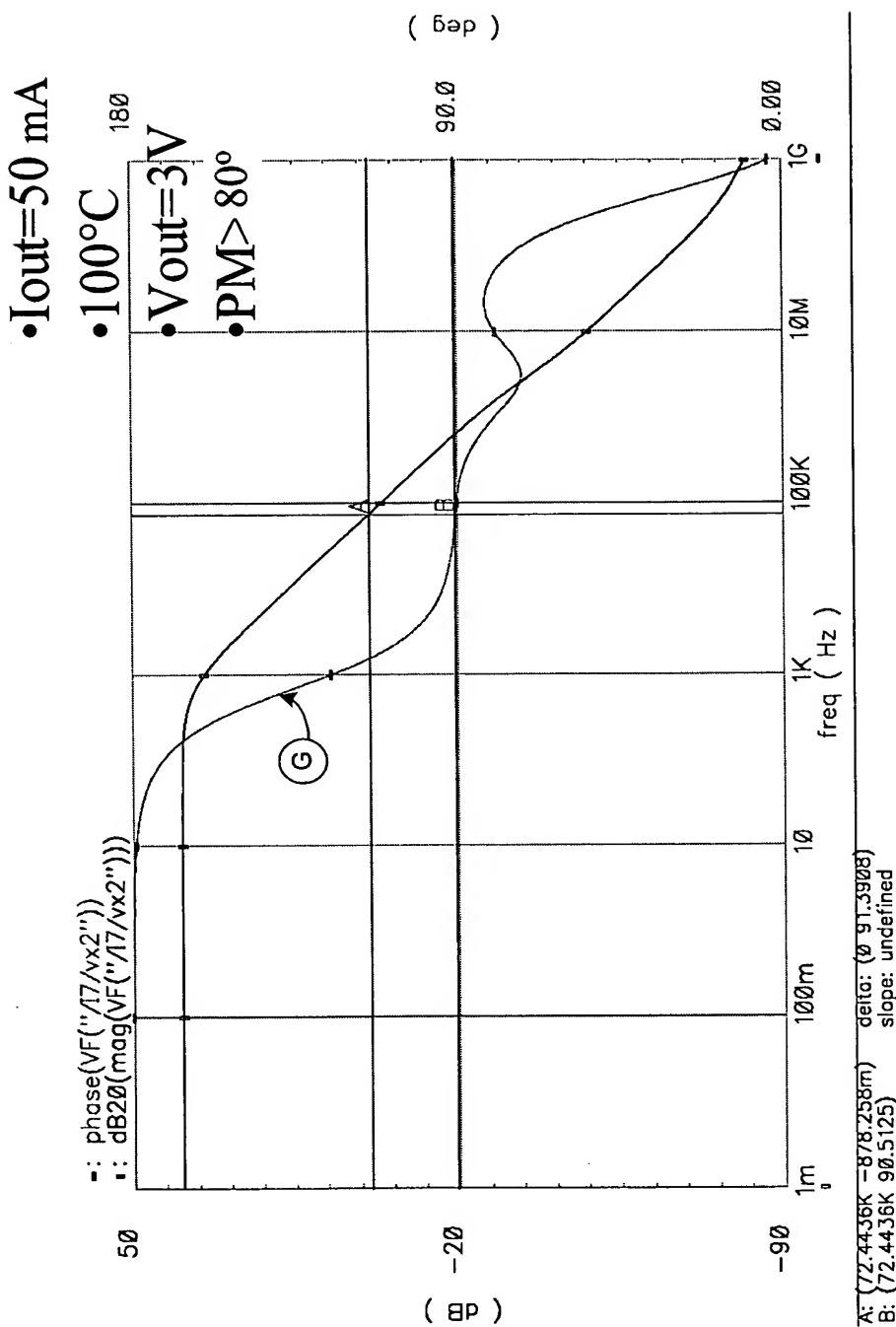
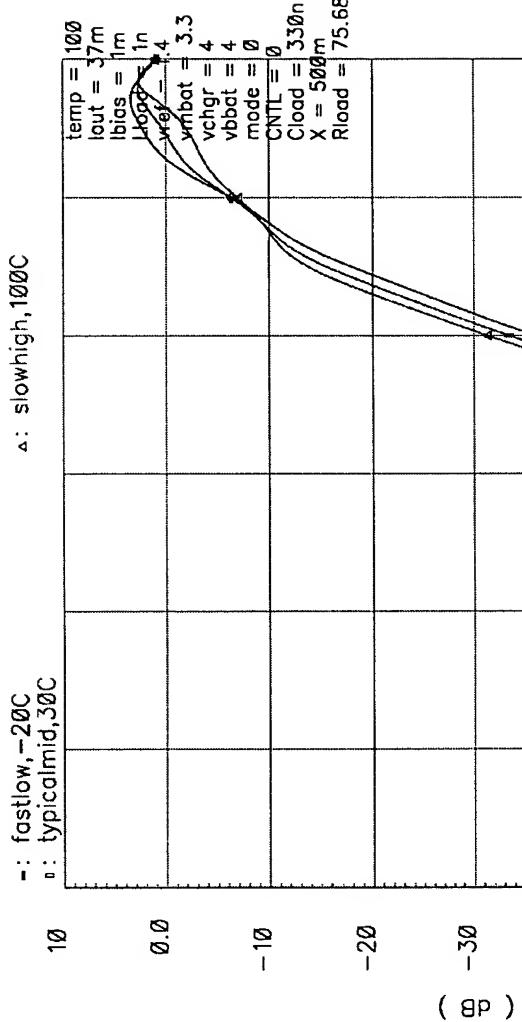
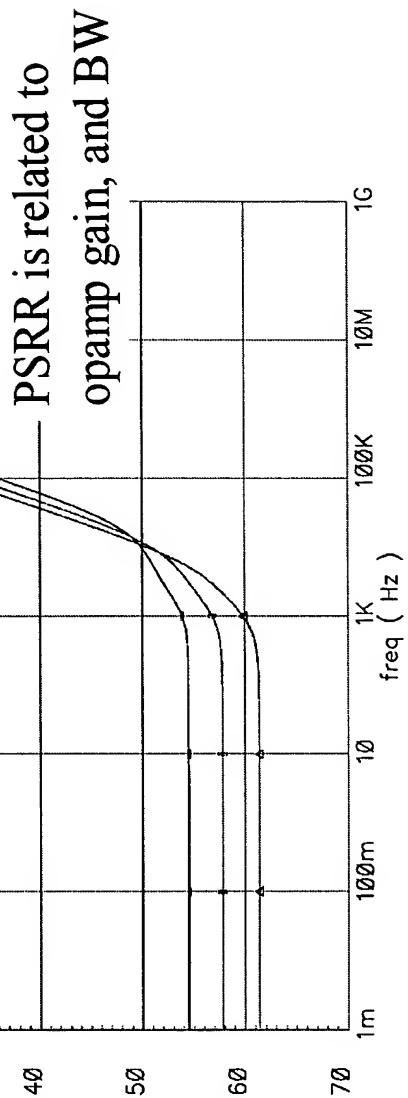
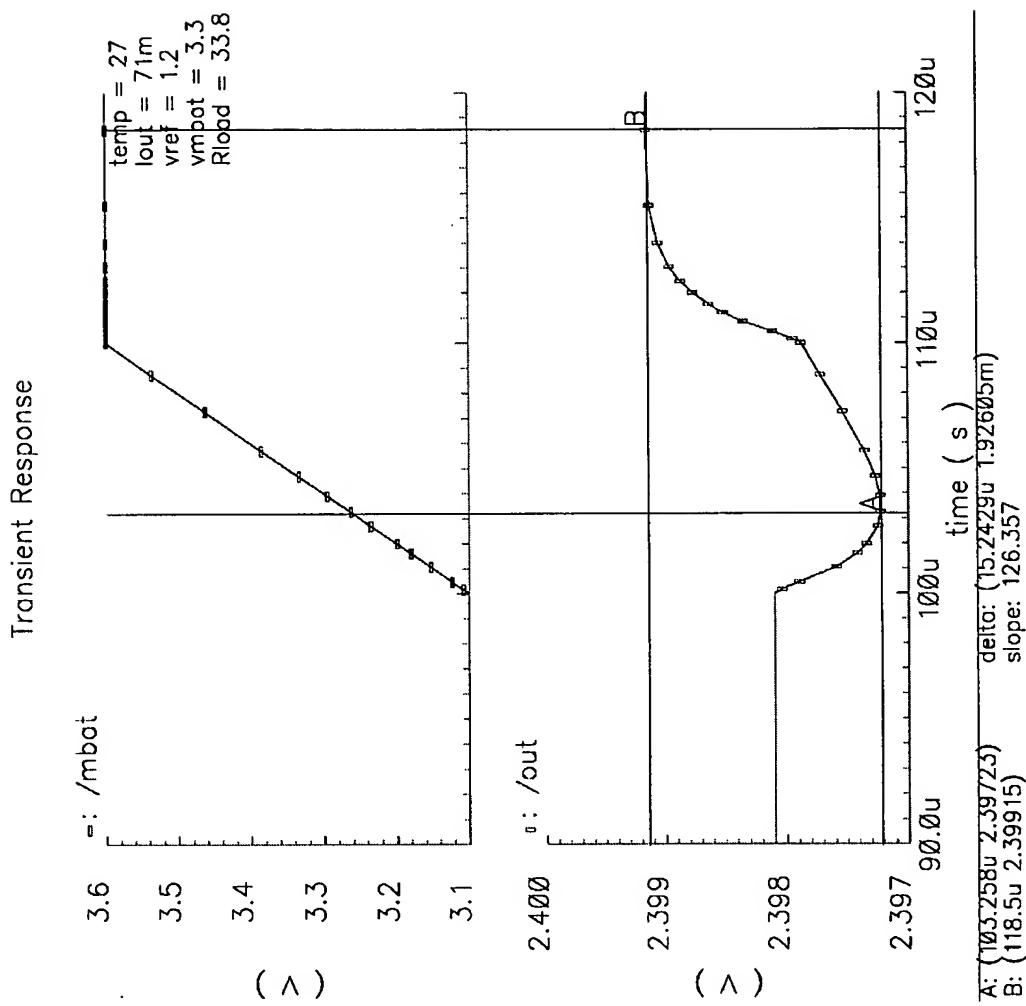


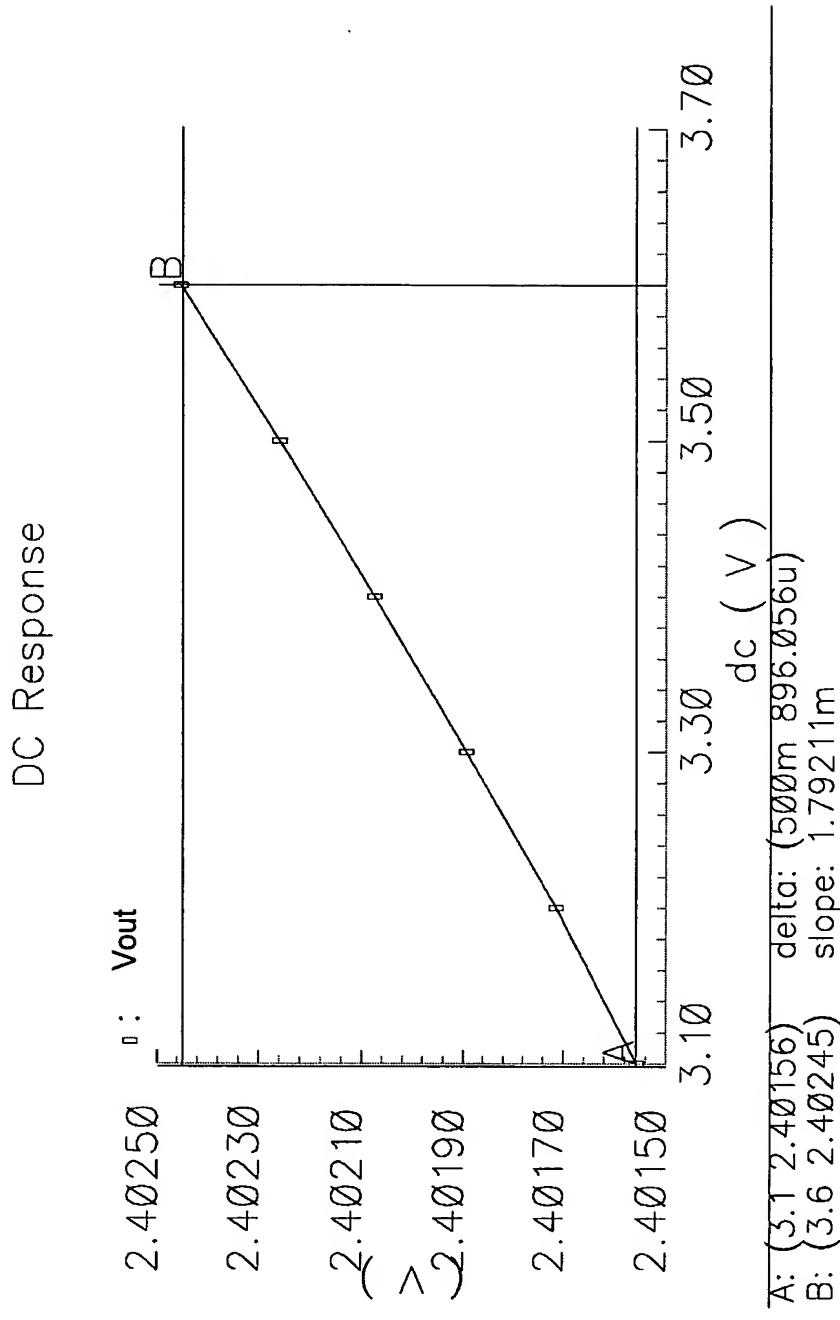
FIG. 8

**FIG. 9**

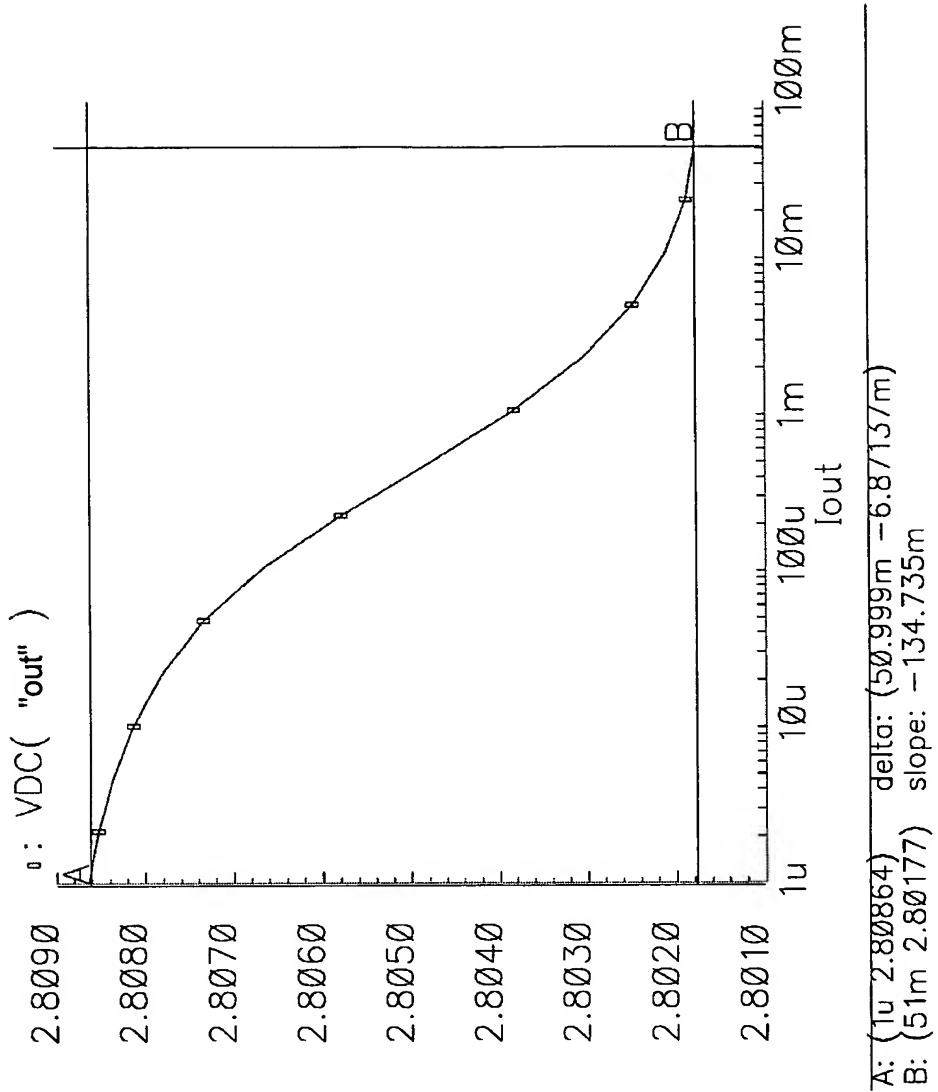
**FIG. 10**

**FIG. 11**

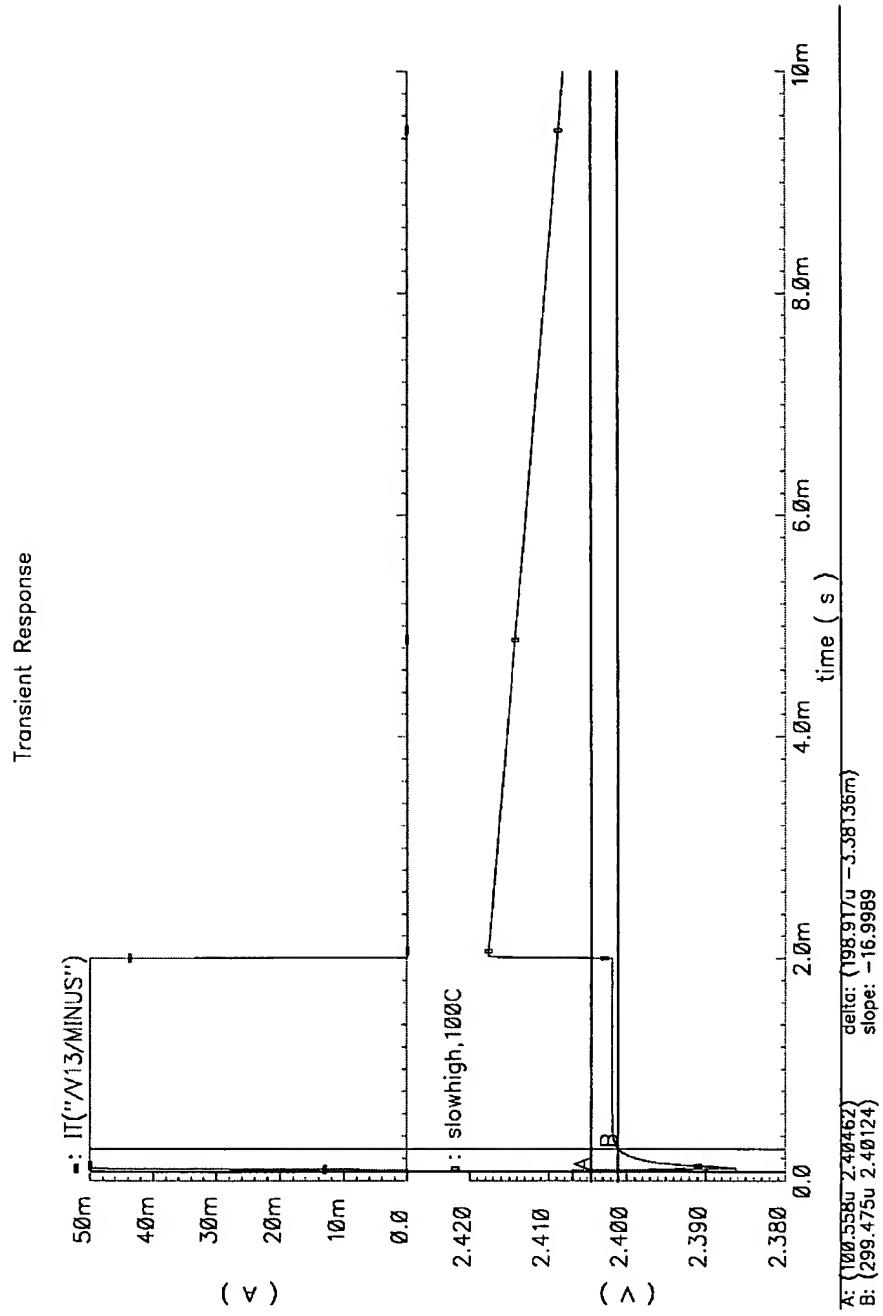
**FIG. 12**



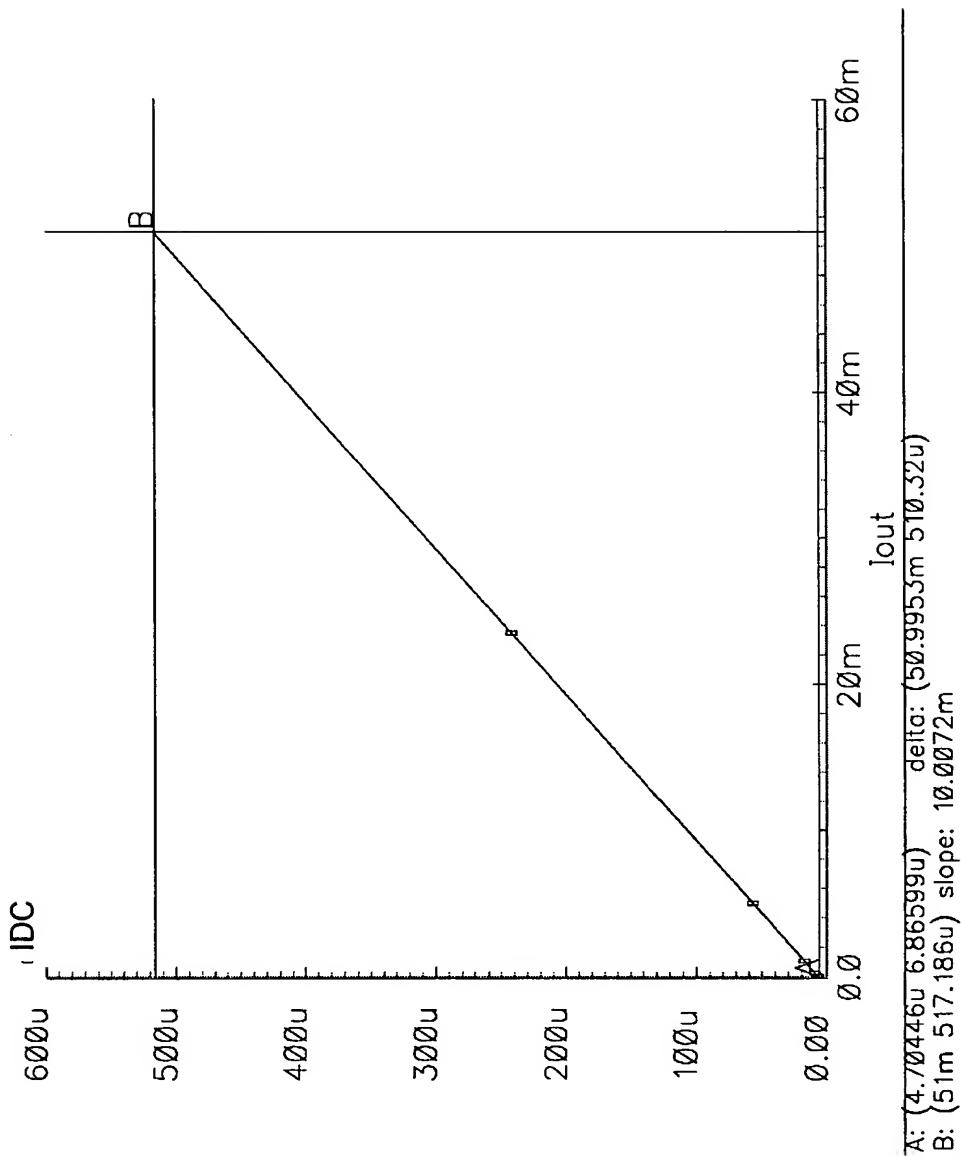
**FIG. 13**



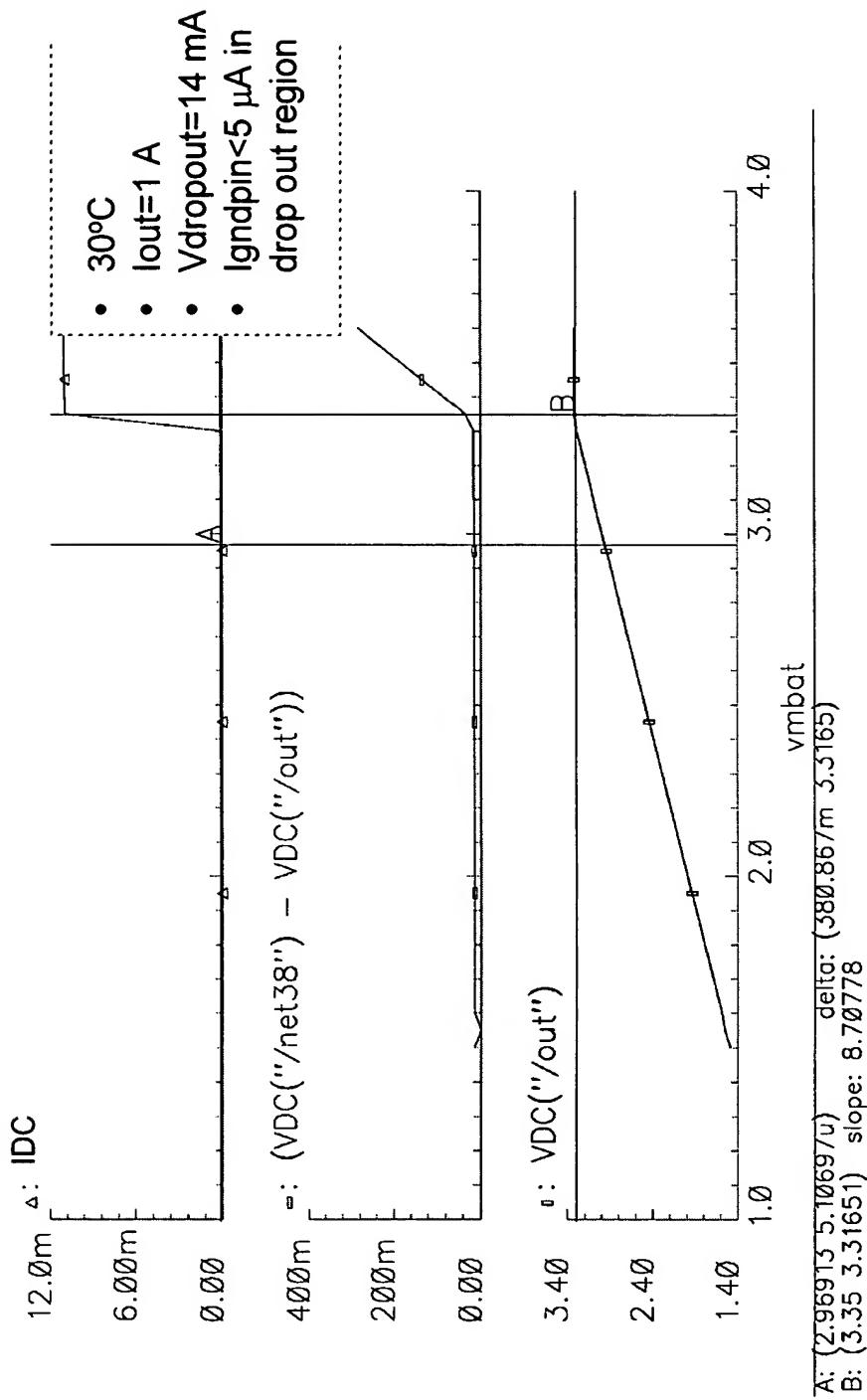
**FIG. 14**



**FIG. 15**



**FIG. 16**



**FIG. 17**

**FIG. 18**

spec	TI	Maxim	Philips	BRCM	Unit
Part #	TPS72116	MAX8875EUK15	PCF50604	BCM2123	
Output Current	150	150		150	mA
Output Voltage	1.22-2.5	1.5	-	1.2-3.2	V
VO Accuracy	+/- 3	+/- 3	+/-3.5	+/-3.5	%
Input Voltage	1.8-5.5	2.5-6.5		3.3	
Dropout voltage@150mA	150	165		14	mV
VO Line Step Response		40	3	0.9	mV
VO Load Regulation	0.014	0.01	0.01	0.002	%/mA
VO Load Step Response	6.3	0.9	4	0.9	%
Line Regulation	0.72	7.4	1	0.17	mV/V
Ground pin current@OFF	<1	<1	<1	<1	µA
Ground pin current@no load	85	85	30	7 or 21	µA
Ground pin Current@150mA	570	100	3000	1500	µA
Activation Time	20	20	130	12	µs
Output Noise Voltage(200-100K)	90	170		84	µV
PSRR@100Hz	48	60	60	58	dB
External Capacitor	1	10	4.7	3	µF

**FIG. 19**